



Science

Science is being curious, asking questions and investigating to understand more about our world.

“Science and everyday life cannot and should not be separated.”

— Dr Rosalind Franklin (British chemist and X-ray crystallographer)

Science is one of the three core subjects taught, alongside English and maths in school. Our aim at Hollyfield is for all children to:

- be excited and curious about science
- investigate and ask questions about the world around them
- develop their scientific enquiry and questioning and so enabling confidence to develop through observation, prediction and testing out ideas
- change opinions based on new information by high quality, exciting, practical engaging teaching and learning

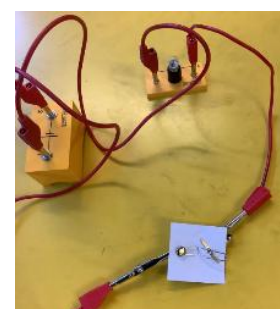
We enable all our pupils to develop the skills and confidence to be scientists. We do this by having an enriched curriculum that enables and develops curiosity and questioning right from when pupils join us in EYFS (Reception) to leaving us in Year 6 through good teaching and planned experiences in the specific disciplines of Biology, Chemistry and Physics.

Teachers plan exciting lessons following the Kapow scheme of work. Lessons are planned that meet the needs of and challenge every member the class. These units of work fully align to the National Curriculum. EYFS (Reception) provide opportunities for pupils to work towards the Development Matters statements and the Early Learning Goals through a variety of planned Kapow and other science-based activities that encourage these youngest children to be curious, question and investigate the world around them.

We enrich our science curriculum in a number of ways. These include activities throughout the school year including participation in the Easter Science Fair, alongside other Science Partnership schools and Science Selfies, completed during the Christmas holidays. We welcome STEM Ambassadors throughout the year to run workshops and lessons that help inspire our children to think about the relevance of science in their lives and in the world. Children in KS1 can also participate in a physics family fun evening. Hollyfield hosts The Great Science Share, with local schools joining us to share science activities together. Health for Life is a whole school initiative to promote the children living a healthier lifestyle. All children learn how to plant and look after vegetables that are grown and harvested to cook with and eat.

A highlight for Year 5 children is Astro Camp. This is an exciting overnight event where children participate in a range of carefully planned space related activities including a visit Dr Lauren Doyle, from Warwick University.

Hollyfield has achieved the ESERO silver Space Quality Mark in recognition of the high-quality space teaching and provision that the Hollyfield child participates in.



School is proud to have gained Level 4 of the RHS School Gardening Awards. These awards recognise that Hollyfield focuses on gardening, not just for growing plants to eat yet for wildlife and using gardening to support the curriculum. It is also about inspiring others beyond our school by sharing plants and seeds and engaging with the whole school community.

Hollyfield has twice achieved the Primary Science Quality Mark (PSQM) at Outreach level. This award is in recognition of the science leadership, opportunities and teaching and learning at Hollyfield. This level of award recognises how the subject coordinator mentors and leads subject leaders from other schools improving their own school's science provision.



Links to documents:

[National curriculum in England: science programmes of study](#)

NEW Science Policy – Coming Soon

[Kapow Science scheme of work](#)

Supporting websites and links:

[BBC Bitesize KS1](#)

[BBC Bitesize KS2](#)

A wealth of materials to support home learning with videos, activities and games in all curriculum areas.

[Maddie Moate](#) The popular children's television presenter has her own YouTube channel and is delivering a daily science lesson "Let's Go Live with Maddie & Greg". Her channel has a wealth of educational videos.

[The Royal Institution](#) A series of short films, activities and resources making it fun, easy & cheap to do science experiments at home with children.

[Primary Science Teaching Trust](#) Fun science activities to try at home

[Science Sparks](#) Science experiments for children